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TRANSMITTAL

Applicant : Zhu, et al.
 App. No. : 09/318,073
 Filed : May 25, 1999
 For : THIN FILM MEMORY
 DEVICE HAVING LOCAL
 AND EXTERNAL
 MAGNETIC SHIELDING
 Examiner : Andujar, Leonardo
 Art Unit : 2826

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

March 24, 2004

(Date)

Michael S. Okamoto, Reg. No. 47,831

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing in the above-identified application are the following enclosures:

- (X) A Supplemental Information Disclosure Statement; PTO-1449 form listing 14 references which are enclosed.
- (X) A check in the amount of \$180 for IDS fee is enclosed.
- (X) Return prepaid postcard.
- (X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Michael S. Okamoto
 Registration No. 47,831
 Attorney of Record
 Customer No. 20,995
 (310) 551-3450



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicant : Zhu, et al.
 App. No. : 09/318,073
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 MAGNETIC SHIELDING
 Examiner : Andujar, Leonardo
 Group Art Unit : 2826

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 14 references that are also enclosed. Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(c)(2) before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: March 24, 2004

By: *Michael Okamoto*

Michael S. Okamoto
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. MICRON.196CP1	APPLICATION NO. 09/318,073
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			APPLICANT Zhu, et al.	
(USE SEVERAL SHEETS IF NECESSARY)			FILING DATE May 25, 1999	GROUP 2826



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,661,062	8/26/97	Prinz			
	5,861,328	1/19/99	Tehrani et al.			
	5,902,690	5/11/99	Tracy et al.			
	5,940,319	8/17/99	Durlam et al.			Aug. 31, 1998
	5,956,267	9/21/99	Hurst et al.			Dec. 18, 1997
	6,048,739	4/11/00	Hurst et al.			Dec. 18, 1997
	6,165,803	12/26/00	Chen et al.			May 17, 1999
	6,510,078 B2	01/21/03	Schwarzl			
	6,580,636 B2	06/17/03	Thewes et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP 2000 090658 A	3/31/00	Japan (Abstract)			X	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Prinz, "Magnetoelectronics", Science Magazine, Vol. 282, Nov. 27, 1998.
	Wang et al., Feasibility of Ultra-Dense Spin-Tunneling Random Access Memory, IEEE Transactions on Magnetics, Vol. 33, No. 6, Nov. 1997.
	Lee, Chih-Ling, "A Study of Magnetoresistance Random-Access Memory," date unknown
	Kaakani, H. "NON-VOLATILE MEMORY (MRAM) ANXXX," [online], Honeywell, March 1999 [retrieved on November 19, 2001]. Retrieved from the Internet: <URL: www.ssec.honeywell.com/avionics/h_gmr.pdf>

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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	